



## **WATER MANAGEMENT MONTHLY REPORT**

### **Information Exchange Bulletin**

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### **RESERVOIR OPERATION AND SYSTEM STATUS FOR AUGUST 2001**

**HIGHLIGHTS** – Cairo stage began the month at 25.7 feet and ended at 16.5 feet and was fluctuating near normal. Normal stage for August is 17 feet.

**WEATHER** –The weather during August was warm with scattered precipitation. The first two weeks had well above normal temperatures throughout the basin. Temperatures dropped to below normal the third week and were about average late in the month. Precipitation was typically widely varied across the basin. Generally the eastern half of the basin had below normal rainfall for the month with continued dry conditions in eastern Ohio and Pennsylvania. Rainfall was above normal for much of Indiana, Illinois and western Kentucky. There was, however, a persistent dry area in southern Indiana.

### **TEMPERATURE AND PRECIPITATION – AUGUST 2001**

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	73.1	+2.6	7.12	+3.91
Charleston, WV	74.8	+0.9	2.74	-1.27
Columbus, OH	75.2	+3.7	4.15	+0.43
Cincinnati, OH	74.9	+1.4	5.00	+1.65
Louisville, KY	79.1	+3.3	3.42	-0.12
Indianapolis, IN	75.4	+2.2	2.47	-1.17

Evansville, IN	76.7	+0.6	6.10	+3.01
Nashville, TN	78.8	+0.7	4.07	+0.61

**STREAMFLOW** -- Ohio River monthly average flows for August ranged from a low of 94 percent of normal at Pittsburgh, PA to a high of 149 percent of normal at Louisville, KY. Daily flows ranged from a low of 23 percent of normal at Cincinnati, OH to a high of 524 percent of normal at Cincinnati, OH.

The following table presents the flow data summary for August at the Ohio River Index Stations:

**FLOW DATA – AUGUST 2001**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	11,200	94	222	55
Huntington, WV	35,400	116	378	53
Cincinnati, OH	48,400	136	524	23
Louisville, KY	62,200	149	512	36
Evansville, IN	69,500	148	490	38
Paducah, KY	152,800	137	267	78

**RESERVOIRS** -- August started with 2.3% utilization of the total system flood control storage and ended the month at 0.8%. System-wide augmentation storage decreased from 92.8% at the beginning of the month to 87.5% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Summersville project during the month.

The following table depicts storage change by tributary reservoir subsystem for August:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-205,300

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-85,400
Twelvepole-Big Sandy-Little Sandy-Scioto	-15,800
Little Miami-Licking-Mill Creek-Great Miami	-48,400
Kentucky-Salt-Green-Wabash	-400
Cumberland	-394,300
<b>TOTAL</b>	<b>-749,600</b>

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